# PRO82+ II Power Supply Series

Your satisfaction, Our priority.

PRO 82+ II

raising standards

425/525/625W

## 385W/425W/525W/625W

## FEATURES

**ATX12V v2.3 ready!**
Compliant with the newest standard for desktop power supplies.

**82PLUS ready!**
82-88% efficiency @ 20-100% load. Compliant with 80 PLUS® BRONZE efficiency requirements.

**DXXI ready!**
100% 6+2P (8P) PCI-E connector to support new generation DXXI graphic cards.

**AMD® CrossFireX™ certified**
ENERMAX PRO82+ II 425/525/625W CrossFireX™, EPR425AWT II-01 / EPR525AWT II-01 / EPR625AWT II-01.

**Certified by AMD® for GAME! ready systems**
The AMD team tests & validates all key features of a product before it can be communicated as AMD GAME! product. This includes hardware stability, interoperability and performance testing. *1

**24/7 @ 40°C ready!**
Non-Stop industrial class performance at 40°C/104°F ambient.

**SpeedGuard**
Advanced fuzzy logic 12cm fan speed control for optimal cooling and minimum noise. (Patented)

**AirGuard**
Patented air-inlet with optimal aero-dynamical design reducing noisy air turbulences.

**HeatGuard**
Keeping PSU fan running for 30-60 seconds after shut down to dissipate the remaining system heat and prolonging system lifetime.

**CordGuard**
Fixing the AC cord tightly to avoid accidental shutdowns of your PC.

**GAMING ready!**
ATX12V v2.3 support for latest Intel® Core™ 2 Duo/Quad/Extreme/i7/i5,and AMD ®Athlon™ 64X2 & Phenom™ II and CrossFireX™. *2

**SafeGuard**
Industry-leading octuple protection circuitry of OCP, OVP, DC UVP, AC UVP, OPP, OTP, SCP & SIP.

**TRIPLE 12V rails**
The best rail design for this PSU class for maximum safety and compatibility. *3

**100% Japanese Electrolytic Capacitors**
Highest components standards for maximum durability and stability.

**WORLD ready!**
100-240VAC in with automatic adjustment and active PFC for global usage.

*1 Available for 425/525/625W models *2 385W support single VGA card *3 385W with dual 12V rails

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## GAMING ready!

| MODEL | CPU | CORE | GRAPHICS | DRIVES |
|---|---|---|---|---|
| 385W | DUAL | QUAD | SINGLE | 10 |
| 425W | DUAL | QUAD | DUAL | 10 |
| 525W | DUAL | QUAD | TRIPLE | 14 |
| 625W | DUAL | QUAD | QUAD | 14 |

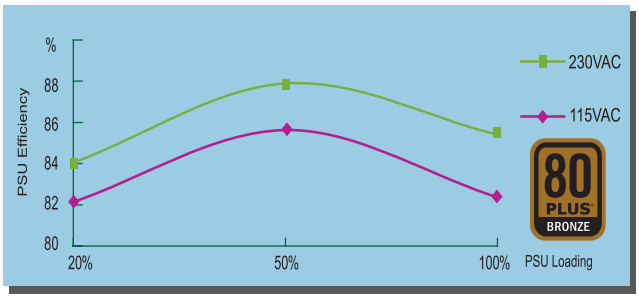
PCI Express 1.0

PCI Express 2.0

* Actual maximum support might vary by power consumption of connected components and is limited to DC output specifications.

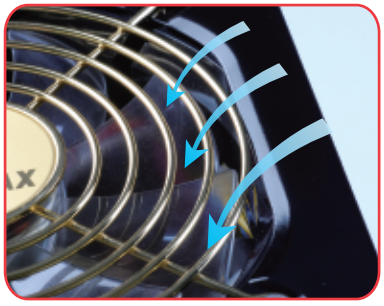
## 82PLUS ready! (>84% @ 230VAC)

Leading efficiency standard & ECO design, certified.




## AirGuard

Optimal aero-dynamical design reducing noisy air turbulences.



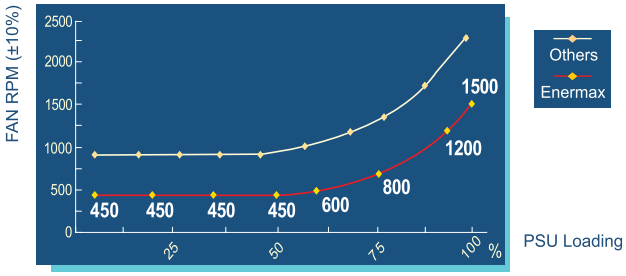
## 100% Japanese Electrolytic Capacitors

For maximum durability and stability.

* 525/625W illustrated

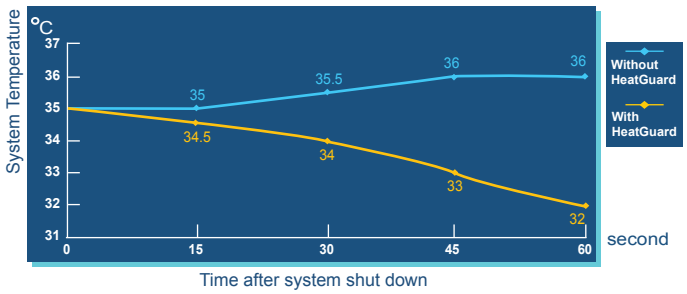
## SpeedGuard

Advanced fuzzy logic control for optimal cooling and minimum noise.(Patented)




## HeatGuard

Keeping PSU fan running for 30-60 seconds after shut down to dissipate the remaining system heat and prolonging system lifetime.




## CordGuard

Fixing the AC cord tightly to avoid accidental shutdowns of your PC.

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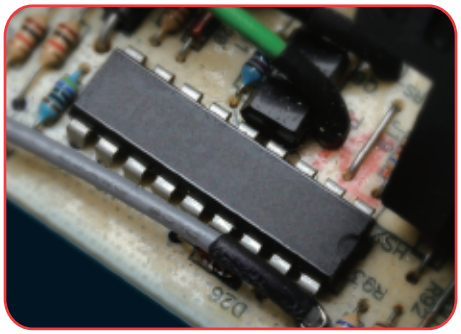
## SafeGuard

SafeGuard will turn PRO82+ II off to protect itself and your system from damage.



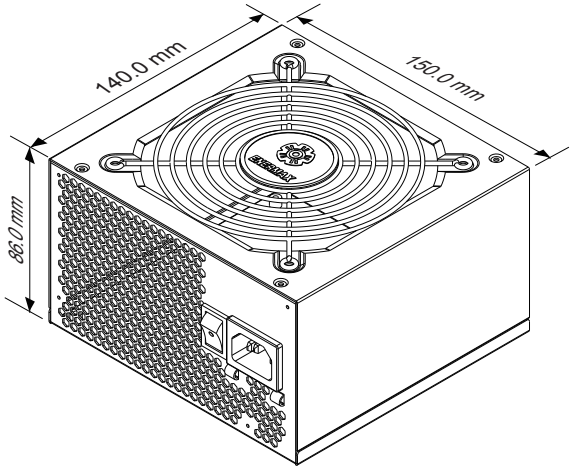
( OCP = Over Current Protection, OPP = Over Power P.,
SCP = Short Circuit P., OVP = Over Voltage P.,
UVP = Under Voltage P., OTP = Over Temperature P.,
SIP = Surge & Inrush P. )

| | +12V1 | +12V2 | +12V3 | +3.3V | +5V | -12V | +5Vsb |
|---|---|---|---|---|---|---|---|
| OCP | yes | yes | yes | yes | yes | no | no |
| OPP | activated if maximum output > 110-150% | | | | | | |
| SCP | yes | yes | yes | yes | yes | yes | yes |
| OVP | yes | yes | yes | yes | yes | no | no |
| DC UVP | yes | yes | yes | yes | yes | no | no |
| AC UVP | activated if input voltage < 70VAC | | | | | | |
| OTP | yes | | | | | | |
| SIP | yes | | | | | | |

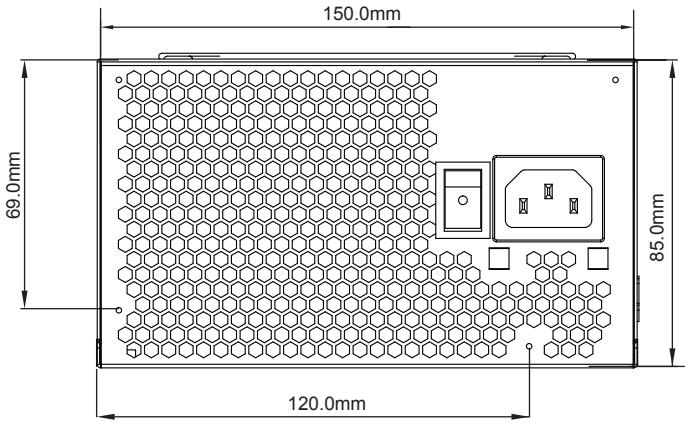
## +12V RAIL DISTRIBUTION

| Model / Rails | EPR385AWT II | EPR425AWT II | EPR525AWT II | EPR625AWT II |
|---|---|---|---|---|
| | Powered | | | |
| 12V1 | 24P MB & 4+4P CPU | | | |
| 12V2 | 1x 6+2P PCI-E<br>5x SATA<br>4x 4P Molex<br>1x FDD | 1x 6+2P PCI-E<br>5x SATA | 2x 6+2P PCI-E<br>7x SATA | 2x 6+2P PCI-E<br>7x SATA |
| 12V3 | | 1x 6+2P PCI-E<br>4x 4P Molex<br>1x FDD | 1x 6+2P PCI-E<br>6x 4P Molex<br>1x FDD | 2x 6+2P PCI-E<br>6x 4P Molex<br>1x FDD |

## DIMENSIONS




* 1x12cm two-ball bearing fan



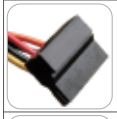

## CERTIFICATIONS & STANDARDS

| | |
|---|---|
| **Safety** | E134014 · TÜV Rheinland Product Safety · BAUART GEPRÜFT TYPE APPROVED · R43028 · AR46 · CB |
| **EMC** | CE · FC Tested To Comply With FCC Standards FOR HOME OR OFFICE USE · 방송통신위원회 |

## SPECIFICATIONS

| Model Name | EPR385AWT II-01 | | EPR425AWT II-01 | | EPR525AWT II-01 | | EPR625AWT II-01 | |
|---|---|---|---|---|---|---|---|---|
| AC Input Rating | | | | | | | | |
| Input Voltage | 100-240VAC, 50-60Hz, Active PFC (max. range 90-264 VAC) | | | | | | | |
| Input Current | 6-2.5A | | 6.7-3A | | 7.5-3.5A | | 9.5-4A | |
| DC Output Rating | | | | | | | | |
| +3.3V | 0.1 - 20A | 110W | 0.1 - 20A | 120W | 0.1 - 24A | 140W | 0.1 - 24A | 140W |
| +5V | 0.1 - 20A | | 0.1 - 20A | | 0.1 - 24A | | 0.1 - 24A | |
| +12V1 | 0.1 - 20A | 360W (30A) | 0.1 - 22A | 396W (33A) | 0.1 - 25A | 480W (40A) | 0.1 - 25A | 600W (50A) |
| +12V2 | 0.5 - 20A | | 0.5 - 22A | | 0.5 - 25A | | 0.5 - 25A | |
| +12V3 | | | 0 - 22A | | 0 - 25A | | 0 - 25A | |
| -12V | 0 - 0.6A | 7.2W | 0 - 0.6A | 7.2W | 0 - 0.6A | 7.2W | 0 - 0.6A | 7.2W |
| +5Vsb | 0 - 3A | 15W | 0 - 3A | 15W | 0 - 3A | 15W | 0 - 3A | 15W |
| Total Power | 385W | | 425W | | 525W | | 625W | |
| Peak Power | 425W | | 470W | | 580W | | 690W | |

## CABLES & CONNECTORS

| Connectors \ Model | EPR385AWT II-01 | EPR425AWT II-01 | EPR525AWT II-01 | EPR625AWT II-01 |
|---|---|---|---|---|
| Mainboard | 24P (45cm) | | 24P (55cm) | |
| +12V CPU | 4+4P (60cm) | | 4+4P (60cm) | |
| 6+2P(8P) PCI-E 2.0 | 1 (45cm) | 2 (45cm) | 3 (50cm) | 4 (50cm) |
|  SATA | 5 (1 cable with 2 con.: 45/55cm) (1 cable with 3 con.: 45/55/65cm) | | 7 (1 cable with 3 con.: 45/55/65cm) (1 cable with 4 con.: 45/55/65/75cm) | |
| 4P Molex +FDD | 4+1FDD (1 cable with 2 con.: 45/55cm) (1 cable with 3 con.: 45/55/65cm) | | 6+1FDD (1 cable with 3 con.: 45/55/65cm) (1 cable with 4 con.: 45/55/65/75cm) | |

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